

BIO
Liquid · dormant suspension inoculum

Sigma Bio

Three-in-one biological: Bacillus, mycorrhizae, Trichoderma

A concentrated microbial consortium, the same organisms carried in every Sigma granular, in a dormant suspension that mixes with the active ingredients already in your spray program. Activates on contact with organic matter.

Input efficiency
Microbes mine the surrounding soil to bring water and nutrients otherwise lost to leaching back to the plant.

Stress tolerance
Supports drought tolerance and tolerance of salinity.

Root health
Bacillus and Trichoderma colonize the root zone and support root and shoot biomass.

Active ingredients

Total beneficial bacteria	**17.0 billion CFU / gal**
Bacillus subtilis	**750,000 CFU / mL**
Bacillus amyloliquefaciens	**750,000 CFU / mL**
Brevibacillus laterosporus	**1,500,000 CFU / mL**
Bacillus licheniformis	**1,500,000 CFU / mL**
Total endomycorrhizae	**37.8 thousand propagules / gal**
Glomus intraradices, etunicatum, aggregatum, mosseae	**2.5 propagules / mL each**
Total Trichoderma	**2.8 billion CFU / gal**
Trichoderma viride, T. harzianum	**375,000 CFU / mL each**

Rates · Sigma Liquid Foundation Program

Spray interval	oz / acre	oz / 1,000 ft²
Weekly (7-day)	**11**	0.25
14-day	**22**	0.5
21-day	**33**	0.75
28-day	**44**	1

Set per acre per week; multiply by the weeks between sprays.

Tank order

Fill one-third with water and agitate. Add Sigma Bio, Molasses, Microalgae, Biochar 5m, Seaweed, then K-Ferm. Build the scheduled spray on top (nutrients, then W-A-L-E-S). Watch for partners at pH 8 or higher. Jar test; water in within 36 hours.

Notes

- Dormant inoculum to active colonization in about 3 days
- Foliar and soil applications give equal results; water in within 36 hours
- Pair with Sigma Molasses and Seaweed as food sources

Packaging: 2.5 gal (9.46 L) · 275 gal tote (1,041 L).
Compatible with fungicides, insecticides, PGRs, wetting agents and fertilizers in the same application. Store in the original container; protect from freezing.

Values from current Sigma product literature. Sigma products are not pesticides. Always read and follow the product label; confirm state registration.